

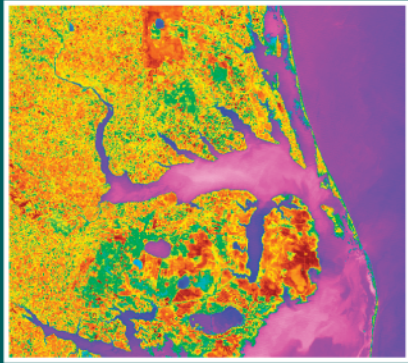
Science Serving Society

# DEVELOP

<http://develop.larc.nasa.gov>

## NASA DEVELOP National Program

DEVELOP is a training and development program for students and young professionals who extend NASA Earth science research to local, state, and scientific communities. Advisors from NASA and partner organizations assist DEVELOP participants to incorporate NASA science measurements and predictions into projects that address local policy and environmental concerns.



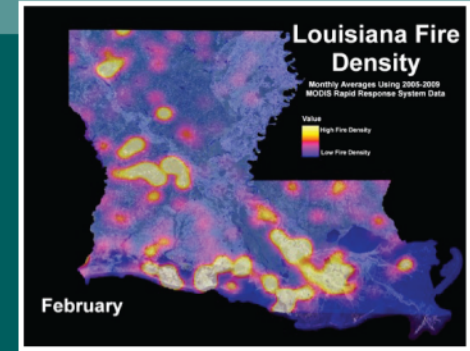
Projects are initiated in response to community demand. A recent example is the North Carolina Climate Change project. DEVELOP partnered with the North Carolina Division of Coastal Management to identify areas most vulnerable to coastline change and forecast future impacts in the Outer Banks. A suite of sensors were utilized, including NASA's Jason-1 and TOPEX/Poseidon satellite missions, to investigate vegetation loss, coastal changes, and sea level rise.

*North Carolina Climate Change*

## DEVELOP Mission:

*Uniting Earth observations with society to foster future innovation, and cultivating the professionals of tomorrow by addressing diverse environmental issues today.*

## Louisiana Air Quality



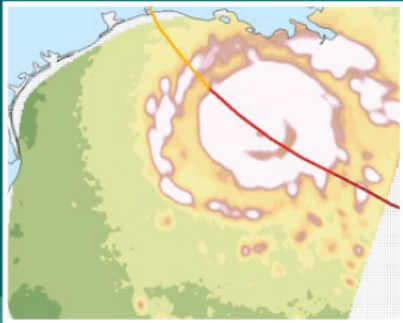
Assessing impact of burning practices

DEVELOP is sponsored by the NASA Science Mission Directorate, Applied Sciences Program. Six NASA Centers and several regional locations support DEVELOP nationwide activity.

Internship opportunities are available during the spring, summer, and fall. Applications are encouraged from high school, undergraduate, and graduate level students with strong interests in science, technology, and policy.

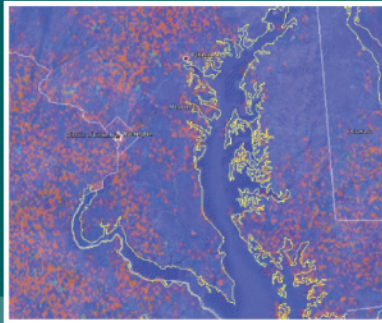
Additional information about DEVELOP can be found at <http://develop.larc.nasa.gov>.

## Gulf of Mexico Natural Disasters



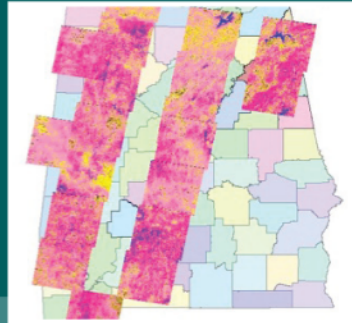
Predicting hurricane intensity

## Maryland Ecological Forecasting



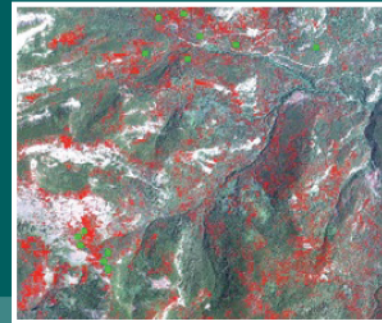
Mapping the invasive species Wavyleaf Basket Grass

## Alabama Public Health



Analyzing tick habitat and predicting disease

## Washington Ecological Forecasting



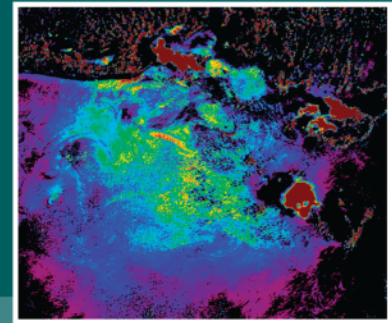
Detecting Mountain Pine Beetle outbreaks

## Great Lakes Water Resources



Identifying harmful algal blooms

## Northwest Ecological Forecasting



Understanding the effect of coastal upwelling on Pacific Hake



A satellite image of Earth from space, showing a large portion of the Western Hemisphere. The image is dominated by swirling white and grey clouds over the Americas, with patches of blue ocean and brownish-green land visible. The top of the image is a solid dark teal color.

## NASA Center DEVELOP Contacts

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